



Pecan Street Project

THE PECAN STREET PROJECT SMART. CLEAN. GREEN.

FOUNDING PARTNERS



Austin
Chamber of Commerce



STRATEGIC & FUNDING PARTNERS



U.S. DEPARTMENT OF
ENERGY



Capitol Area
Council of Governments

Imagine an energy system that delivers plentiful, reliable and affordable power to a growing citizenry. A system that is responsible with our most precious natural resources, like our air and water. A system that can eliminate our need for more fossil fuel power plants, that produces energy locally via renewable resources, that gives customers unparalleled control over their energy use and that sparks job creation here at home.

Pecan Street Project Inc. has the modest goal of reinventing the energy system of the United States. That's the vision that launched our effort in 2008 and that drives our organization today.

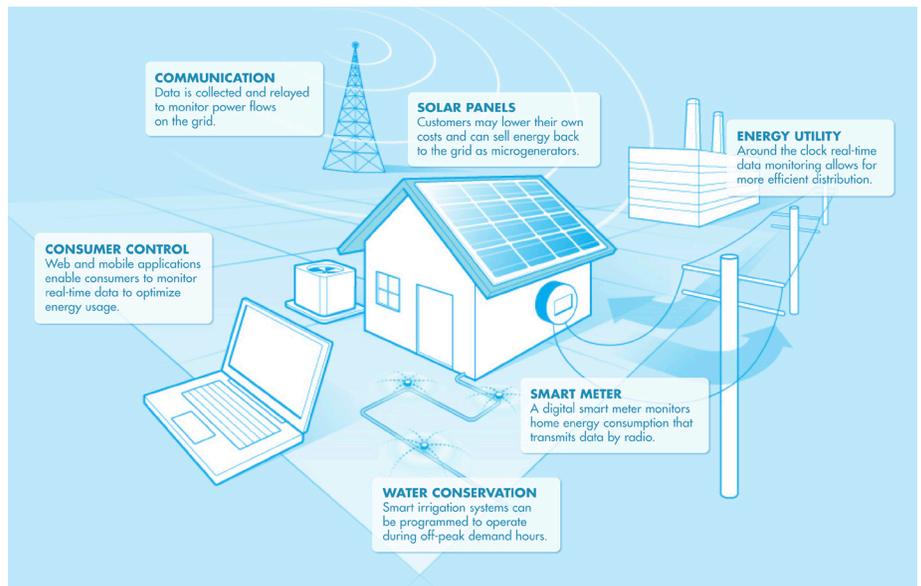
Modest Goal. Expert Partners.

Our effort was launched by the University of Texas at Austin, the City of Austin, Austin Energy, the Greater Austin Chamber of Commerce, the Austin Technology Incubator and Environmental Defense Fund. The team grew in 2009 to include nearly a dozen national and local companies, including Dell, IBM, Cisco, Oracle, Microsoft, Applied Materials and others. Now, as an independent nonprofit organization, additional partners of Pecan Street Project Inc. include the U.S. Department of Energy and the Capital Area Council of Governments.

Think Globally, Act Locally.

Throughout 2009, the project team developed a technical and economic roadmap for creating a clean energy economy. The recommendations, outlined in our March 2010 report, addressed smart grid implementation, system integration, job training, technology commercialization and water policy. This work also spurred the incorporation of Pecan Street Project Inc. and the successful application for a \$10.4 million grant from the Department of Energy for a smart grid demonstration project at Austin's Mueller community.

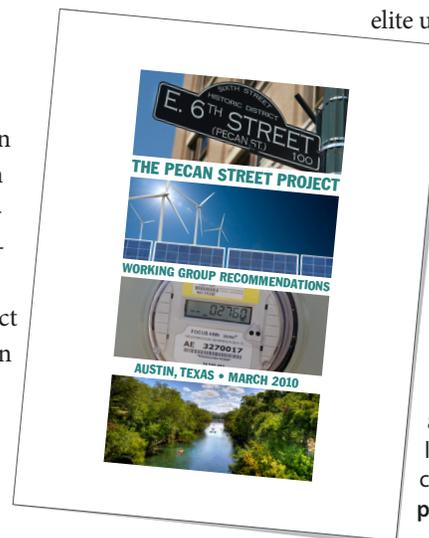
The smart grid demonstration project at Mueller will deploy the myriad energy technologies that will



Pecan Street Project Inc. is pursuing a redesign of the energy system that integrates energy efficiency, distributed renewable energy, local energy storage and enhanced user-controlled energy management. The goal is a more sustainable system that provides affordable and reliable power to a growing population, protects the environment and spurs economic development.

power a cleaner, more efficient and smarter energy system and test them across multiple pricing models using a powerful new enterprise software system.

It's a unique research partnership bringing together elite university and national



lab researchers, utilities, the private sector and ordinary citizens to take on our toughest environmental and economic challenges.

◀ Our report of recommendations outlined a roadmap for regional leaders. The report PDF can be downloaded at pecanstreetproject.org.



SMART GRID DEMONSTRATION PROJECT AT MUELLER

It was the perfect place for a smart grid demonstration project.

When Austin closed the Mueller municipal airport in 1999, community leaders committed to redeveloping the site into a ground-breaking mix-used, sustainable urban neighborhood. A decade later, the Mueller community is a bustling mini-city—home to the world’s first LEED-platinum hospital, dozens of green-built office buildings and stores and over 1,000 residents who call themselves “Pioneers.”



Mueller at a Glance

- 700 acres
- World’s largest LEED-ND certified community (2009)
- Three miles from downtown
- More than 4,900 planned homes
- 4.5M sq. ft. planned office and retail
- Ultra Green Built
- Reclaimed water system
- Carbon-sequestering landscaping
- 25% affordable housing

▶ 10 Pretty Darn Interesting Stimulus-Funded Smart Grid Projects



#2 The Pecan Street Project: This project in Austin is getting a lot of attention... Perhaps as interesting as what they’re doing is how this progressive not-for-profit entity is making the Pecan Street Project happen. —\$10,403,570 Smart Grid demonstration grant from DOE

Working with volunteers from this community, Pecan Street Project Inc. is leading a team of researchers from the University of Texas, National Renewable Energy Laboratory and Environmental Defense Fund to develop and test an integrated clean energy smart grid of tomorrow in the homes of today.

We are working with Austin Energy, the nation’s largest seller of green power and the first utility in the world to create a green building code (which became the basis of the LEED rating system).

Over the next five years, this progressive team will test these systems in 1,000 residences and 75 businesses at Mueller:

- distributed clean energy
- energy storage technologies
- smart grid water and smart grid irrigation systems
- smart appliances
- plug-in electric vehicles
- advanced meters and home energy management systems
- green building
- new pricing models for electricity

It’s an ambitious new type of smart grid that Thomas Friedman has named “the Energy Internet.” But it’s only natural that the place to take on the technology and environmental challenges of reinventing electricity would be Austin...a dynamic high tech community with a passionate green soul.



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Pecan Street Project
West Pickle Research Center
University of Texas
3925 West Braker Lane
Austin, Texas 78759

(512) 782-9213
www.pecanstreetproject.org